



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010436
CERTIFICATION DATE: February 18, 2014
DATE RECERTIFICATION DUE: August 17, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

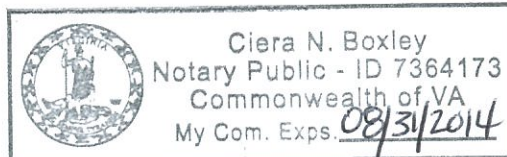
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 5th day of
March, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 2/20/2014**

DBH
TLN

Instrument Serial Number:	010436	As of 20-Feb-14
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
18-Feb-14	18-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
30-Jan-14	30-Jan-14	MMB (26417)	CERTIFIED.
05-Aug-13	05-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
28-Nov-12	28-Nov-12	TLN (25387)	CALIBRATED, ACCEPTED AND CERTIFIED.

DBH
TLN

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010436 Worksheet Start Date 2/18/2014
Location Cumberland CO SO
Address 1492 Anderson Hwy Cumberland VA 23040
DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 753 Reference Barometer (mm HG) 750
Reference Barometer(RB)Serial # 009109 RB Calibration Due 8/1/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.294
0.300	0.297	0.288	0.305	Sample 2	0.293
Precision		sample min	sample max	Sample 3	0.293
0.001		0.293	0.294		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.097
0.100	0.099	0.096	0.102	Sample 2	0.097
Precision		sample min	sample max	Sample 3	0.097
0		0.097	0.097		

Dry gas standard Lot No. (with tank no.) AG400202-42

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Notes:

Instrument Serial Number

010436

Certification Date

2/18/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.243
0.250	0.248	0.240	0.255	Sample 2	0.241
Precision		sample min	sample max	Sample 3	0.241
0.002		0.241	0.243		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.146
0.150	0.149	0.144	0.153	Sample 2	0.146
Precision		sample min	sample max	Sample 3	0.146
0		0.146	0.146		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.079	0.076	0.082	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

2/20/14

Issuing Analyst



Date

2/21/14

Intox EC/IR-II: Certification

DBH
TLN

Department of Forensic Science

Serial Number: 010436 Test Number: 1002
Test Date: 02/18/2014 Test Time: 13:23 EST

Technician Initials: DBH

Dry Gas Target: 0.248

Lot Number: 29612250I2-09 Exp Date: 11/01/2014

Tank Pressure: 463 psi Barometric Pressure: 753 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:23
BLK	0.000	13:24
CHK	0.243	13:25
BLK	0.000	13:26
CHK	0.241	13:27
BLK	0.000	13:28
CHK	0.241	13:29
BLK	0.000	13:30

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
TLN

Department of Forensic Science

Serial Number: 010436 Test Number: 1003
Test Date: 02/18/2014 Test Time: 13:32 EST

Technician Initials: DBH

ENTERED WRONG VALUE
FOR STANDARD VALUE

DBH
2/18/14

Dry Gas Target: 0.248

Lot Number: 2951215012-03 Exp Date: 11/01/2014
Tank Pressure: 90 psi Barometric Pressure: 753 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:33
BLK	0.000	13:34
CHK	0.146	13:34

Out of tolerance

Standard Value (at sea level): 0.250 g/210L

Certification Status: Failure

Intox EC/IR-II: Certification

DBH
TLW

Department of Forensic Science

Serial Number: 010436 Test Number: 1004
Test Date: 02/18/2014 Test Time: 13:35 EST

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 29512150I2-03 Exp Date: 11/01/2014
Tank Pressure: 90 psi Barometric Pressure: 753 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:36
BLK	0.000	13:37
CHK	0.146	13:37
BLK	0.000	13:39
CHK	0.146	13:39
BLK	0.000	13:41
CHK	0.146	13:41
BLK	0.000	13:43

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
TLN

Department of Forensic Science

Serial Number: 010436 Test Number: 1005
Test Date: 02/18/2014 Test Time: 13:45 EST

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 07713080I2-01 Exp Date: 05/01/2015

Tank Pressure: 561 psi Barometric Pressure: 753 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:46
BLK	0.000	13:46
CHK	0.078	13:47
BLK	0.000	13:48
CHK	0.078	13:49
BLK	0.000	13:50
CHK	0.078	13:51
BLK	0.000	13:52

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH
TLW

Department of Forensic Science

Serial Number: 010436 Test Number: 1006
Test Date: 02/18/2014 Test Time: 13:55 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 546 psi Barometric Pressure: 753 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:56
BLK	0.000	13:57
CHK	0.019	13:57
BLK	0.000	13:58
CHK	0.019	13:59
BLK	0.000	14:00
CHK	0.019	14:01
BLK	0.000	14:02

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

DBH
TL✓

Department of Forensic Science

Serial Number: 010436 Test Number: 1007

Test Date: 02/18/2014 Test Time: 14:05 EST

Dry Gas Target: 0.297

Lot Number: AG322702-06 Exp Date: 08/15/2015

Tank Pressure: 522 psi Barometric Pressure: 753 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:06
CHK	0.294	14:07
BLK	0.000	14:09
CHK	0.293	14:09
BLK	0.000	14:11
CHK	0.293	14:11

Test Status: *Success*

Calibration CRC: E80628EC

DBH
T-12

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010436 Test Number: 1008

Test Date: 02/18/2014 Test Time: 14:14 EST

Dry Gas Target: 0.099

Lot Number: AG400202-42 Exp Date: 01/02/2016

Tank Pressure: 1115 psi Barometric Pressure: 753 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:15
CHK	0.097	14:15
BLK	0.000	14:17
CHK	0.097	14:18
BLK	0.000	14:19
CHK	0.097	14:20

Test Status: *Success*

Calibration CRC: E80628EC

DBH
Tev




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 02/18/2014
TEST EQUIPMENT NUMBER 010436		

RESULTS: TIME SAMPLE TAKEN 14:29 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Feb 2014 at 17:24

DBH
TLN

Test Results

Instrument Serial Number 010436

Test # 001009 Subject Test

Test Location 1 Department of

Test Date 18 Feb 2014

Test Location 2 Forensic Science

Test Time 14:23

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

License Number 21250

Effective Date 10/01/2012

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 18 Feb 2014 End Time 14:30

Result Time 14:29

Result Date 18 Feb 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:23

Data Type BLK

Sample Value 0.000

Sample Time 14:24

Data Type CHK

Sample Value 0.097

Sample Time 14:24

Data Type BLK

Sample Value 0.000

Sample Time 14:26

Data Type SUBJ

Sample Value 0.000

Sample Time 14:26

Data Type BLK

Sample Value 0.000

Sample Time 14:27

Data Type SUBJ

Sample Value 0.000

Sample Time 14:29

Data Type BLK

Sample Value 0.000

Sample Time 14:30

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG400202-42

Standard Expiration Date 01/02/2016

Tank Pressure 1115

Barometric Pressure 753 mmHg

Blow Sample Number 1 Blow Duration 3.65 sec

Blow Volume 2032 cc End-of-Blow Time 14:26

Blow Sample Number 2 Blow Duration 3.72 sec

Blow Volume 2029 cc End-of-Blow Time 14:29

Tamper Evident Stamp 44085b32

Test Status Code 0

Test Status Success